

CURRICULUM VITAE
STEPHEN E. ZEPF

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PROFESSIONAL HISTORY

2009 – present	Associate Chair for Astronomy, Dept. of Physics and Astronomy Michigan State University
2013 – 2015	President, Board of Directors, SOAR Telescope
2004 – 2009	co-Director, Center for the Study of Cosmic Evolution Michigan State University
2004 – present	Professor, Department of Physics and Astronomy Michigan State University
2001 – 2004	Associate Professor, Department of Physics and Astronomy Michigan State University
1999 – 2001	Director of Graduate Studies, Department of Astronomy Yale University
1997 – 2001	Assistant Professor, Department of Astronomy, Yale University
1993 – 1997	Hubble Fellow & Assistant Research Scientist, University of California, Berkeley
1991 – 1993	Postdoctoral Fellow, University of Durham

EDUCATION

Ph.D., Physics, 1992	Johns Hopkins University
Thesis Title: “Evolution of Galaxies in Compact Groups”	
M.A., Physics, 1987	Johns Hopkins University
B.S., Physics, 1985	University of Notre Dame

AWARDS & FELLOWSHIPS

- MSU College of Natural Science Faculty Mentoring Award, 2014
- Michigan State University Distinguished Faculty Award, 2013
- Hellman Family Fellowship, 1999
- Hubble Fellowship, 1993-1996

RESEARCH INTERESTS

- The formation and evolution of galaxies
- Black hole and neutron star binary systems
- Globular cluster systems

GRANT HISTORY

Current Federal Funding

PI, NASA, “X-ray Binaries and the IMF in Early-Type Galaxies,” 04/01/15 - 03/30/17, \$284,827

PI, NSF, “Developing Direct Observational Tests of the Formation of Multiple Stellar Populations in Globular Clusters,” 08/01/14 - 07/31/16, \$181,603

PI, HST GO Program “Testing Models of the Black-Hole X-ray Source in the NGC 4472 Globular Cluster RZ2109 with COS UV Spectroscopy,” 07/01/2015 - 06/30/2018, \$73,629

PI, HST AR Program “Use of Wide-Field ACS Mosaics to Determine Total Properties of Globular Cluster Systems,” 07/01/2015 - 06/30/2017, \$84,281

PI, Chandra GO Program, “Long-term X-ray and Optical Study of the Black Hole X-ray Binaries in the Elliptical Galaxy NGC 4472,” 04/01/14 - 03/30/17, \$51,113

Past

co-PI, MSU REF Center “Center for the Study of Cosmic Evolution” 07/01/04 - 06/30/09 \$1,500,000

PI, Chandra AR Program, “X-Raying the IMF of Elliptical Galaxies,” 02/01/14 – 02/28/16, \$39,997

PI, NASA, “Extragalactic Black-Hole X-Ray Sources in Globular Clusters and the Field,” 04/01/11 - 03/30/15, \$220,305

PI, NASA, “The Origin and Evolution of LMXBs and Their Connection to Globular Clusters,” 04/01/08-03/31/14, \$234,675

PI, Chandra GO program, “Low luminosity AGN and low mass black holes in nearby dwarf galaxies,” 1/01/11 - 12/31/13, \$20,908

PI, Chandra GO Program, “A New Look at the X-Ray Binary Richest Galaxy,” 09/01/10 - 08/31/2013, \$17,865.00

PI, NSF, “Emission Lines and Black-Hole Activity in Extragalactic Globular Clusters,” 08/01/08 - 07/31/12, \$170,137

PI, Chandra Archival Program, “The Dependence of LMXBs on the Encounter Rate in Globular Clusters from an Archival Analysis of Very Deep Data for M87,” 1/01/09 - 12/31/12, \$42,500

PI, HST General Observer Program “The Nature of the Black Hole in a NGC 4472 Globular Cluster and the Origin of Its Broad [OIII] Emission,” 12/01/09 - 11/30/12, \$84,690

Past Grant History, Continued

PI, Chandra General Observer Program “Understanding the Low-Mass X-ray Binaries in the Sculptor Dwarf Spheroidal,” 09/15/08 - 09/14/11, \$49,738

Co-I, NASA/Drexel, “Dynamical Evolution of Young & Old Globular Clusters & Globular Cluster Systems,” 04/01/08-03/31/12, \$38,360 (MSU share)

PI, HST General Observer Program “Determining the Structural Parameters of the First Globular Cluster Found to Host a Black-Hole X-ray Binary,” 01/01/08 - 12/31/10, \$78,808

PI, Chandra Archival Program, “Testing for Spectral Differences between LMXBs in Metal-Rich and Metal-Poor GCs and Their Implications,” 12/01/07/ - 11/30/09, \$58,500

co-I, HST Archival Research Program “Blue Tilts and Other Properties of Halo Globular Clusters in Nearby Galaxies - Cosmological or Observational Bias? ,” 09/01/07 - 08/31/10, \$93,000

MSU sponsor of postdoc Dr. A. Kundu’s NASA LTSA Grant “Multiwavelength Study of the Globular Cluster Systems of Ellipticals and S0s,” 03/15/03 - 03/14/09, \$556,806

co-I, HST General Observer Program “A Deep H-band Probe of the Globular Cluster Mass Function,” 01/01/06 - 12/31/08, \$40,000

PI, NSF, “Collaborative Project: An Investigation of the Formation and Evolution of Globular Cluster Systems and Their Host Galaxies,” 08/15/04 - 08/14/07, \$243,848

PI, HST General Observer Program “Globular Cluster Systems of Elliptical Galaxies in Low Density Environments,” 08/01/05 - 10/31/08, \$77,554

co-I, Chandra Archival Program, “Probing the Effects of Globular Cluster Age on Low Mass X-ray Binary Formation,” 11/01/06 - 10/31/08, \$63,500

PI, Spitzer GO Program, “Testing Stellar Population Models with Observations of Intermediate-Age Globular Clusters in NGC 4365,” 09/01/04 - 8/31/07, \$12,200

PI, HST General Observer Program “Microlensing in M87 and the Virgo Cluster,” 08/01/05 - /7/31/07, \$18,005

PI, Chandra Archival Program, “An Archival Study of the Origin and Evolution of LMXBs in Elliptical Galaxies,” 11/01/04 - 10/31/06, \$62,990

co-I, XMM Observer Program, “A Deep Look at the Ursa Minor Dwarf Spheroidal Galaxy,” 09/15/05 - 09/14/07, \$22,200

PI, HST General Observer Program “The Age and Mass Function of the Intermediate Age Globular Cluster System of NGC 4365,” 08/01/03 - /7/31/06, \$35,696

co-I, NSF Advanced Technology and Instrumentation, “Wide-Field Upgrade for the Spartan Infrared Camera,” 08/01/03 - 07/31/05, \$148,787

Past Grant History, Continued

PI, NASA Long-Term Space Astrophysics Research Program “The Formation History of Galaxies: Constraints from Globular Cluster Systems and Deep Multi-Wavelength Surveys,” 06/01/00 - 05/30/06, \$598,360

PI (for US Funding), Chandra GO Program, “Using the Sculptor Dwarf Spheroidal galaxy to Constrain X-ray Binary Production in Population II,” 04/01/04 - 03/31/06, \$31,117

PI, Chandra Archival Program, “An Archival Study of the Relationship between Globular Clusters and LMXBS in Elliptical Galaxies,” 11/01/02 - 10/31/05, \$77,994

PI, HST General Observer Program “The Formation Epoch(s) of Globular Clusters Around Ellipticals from Ultraviolet Photometry,” 03/01/01 - 08/31/04, \$68,499

PI, HST General Observer Program, “Pixel Microlensing,” 09/01/00 - 08/31/04, \$76,210

PI, NASA Astrophysics Theory Program “Globular Cluster Formation,” 04/01/00 - 05/30/04, \$311,653

PI, HST Archival Program “The Radii and Destruction Timescales of Globular Clusters in NGC 3610, 09/01/00 - 08/31/04, \$36,000

co-I, HST Archival Research Program, “The Evolution of the Globular Cluster System of M87,” 05/01/01 - 02/29/04, \$59,500

PI, HST General Observer Program, “Weighing the Stellar Halo of NGC 5907 with NICMOS,” 05/15/98 - 05/14/00, \$83,170

PI, The Concentration of Tidal Radii of Globular Clusters in Virgo Ellipticals,” 05/01/98 - 04/30/00, \$39,183

SERVICE - UNIVERSITY

- Associate Chair for Astronomy, Dept. of Physics and Astronomy, 2009 - present
- MSU representative on the SOAR Board of Directors, 2009 - present
- Faculty Advisor for MSU Undergraduate Astronomy Program, 2012 - present
- Promotion and Tenure Review Committees, Dept. of Physics and Astronomy, MSU, 2014-2015, 2009-2010, 2007-2008, 2006-2007, 2005-2006, 2003-2004
- Chair, Abrams Planetarium Director Search Committee, 2013 - 2014
- co-Chair, Dept. of Physics and Astronomy Colloquia, 2012 - 2013
- Chair, Astronomy Faculty Search Committee, 2011-2012
- Dean's Reappointment, Promotion and Tenure Advisory Committee, Lyman Briggs College, MSU, 2011
- Co-director MSU REF Center "Center for the Study of Cosmic Evolution," 2004 - 2009
- Coordinator for Astronomy and Astrophysics PhD, including P&A Grad Program and Recruitment Committees, 2004 - 2009
- SOAR Scientific Advisory Committee, 2003 - 2009
- Adhoc Physics & Astronomy Space Allocation Committee, 2004 - present
- Astronomy Seminar Series Chair, Fall 2009
- Salary Review Committee (SRC), 2005 - 2007
- Adcom, AST alternate, 2004 - 2005
- Adhoc Graduate Program Review Committee, 2004
- Adcom (Advisory Committee to the Chair), 2002 - 2004
 - vice-chair, 2003 - 2004
- Faculty Search Committees, HEP experimental 2001-2002, AST 2001-2002, HEP theory 2003, AST/NUC 2002-2003
- Undergraduate Program Committee, 2002 - 2003
- Computer Operations Committee - MSU, 2001 - 2002
- Astronomy Seminar Series Chair - MSU, 2001 - 2003
- Director of Graduate Studies, Yale Astronomy Department, 1999 - 2001.
- Chair, Yale Astronomy Colloquia, 1997 - 1999

SERVICE - NATIONAL, 2000-

- SOAR Telescope Board of Directors, 2009 - present
President, 2013 - 2015
- Chair, NASA ADAP proposal review panel, Aug. 2015
- Chair, Biennial AAS Astronomy Chairs Meeting, Chicago, IL, Nov. 2014
- Chair, NOAO Telescope Allocation Committee Extragalactic Panel, Nov. 2014
- Hubble Space Telescope Cycle 22 Proposal Review, June 2014
- Louisiana State NASA EPSCOR proposal review, 2014 and 2013
- Chair, SOAR Observatory Director Search Committee, 2013-2014
- Chair, NOAO Telescope Allocation Committee Extragalactic Panel, Nov. 2013
- Chair, Organizing Committee for Special Session “Black Holes in Globular Clusters” at HEAD meeting, March 2013
- CTIO Director Search Committee, 2012-2013
- Hubble Space Telescope Cycle 20 Proposal Review, May 2012
- NSF Science and Technology Centers Proposal Review, September 2011
- Galactic Neighborhood Science Frontier Panel, National Academy Astro2010: The Astronomy and Astrophysics Decadal Survey, 2009 - 2010
- Co-Chair, Kavli Institute for Theoretical Physics Program on the Formation and Evolution of Globular Clusters, Santa Barbara, CA, Jan-Apr 2009
- Referee for Canadian Space Agency Space Science Enhancement Program, Spring 2009
- Invited contributor, Science with GSMT Workshop, June 2008.
- Hubble Space Telescope Cycle 16 Proposal Review, March 2007
- Chair, Organizing Committee, AAS Special Session “Extragalactic LMXBs”, Jan 2007
- Reviewer for Killam Foundation (Canada) and CONICYT (Chilean NSF), Fall 2006
- NSF panelist CAREER proposal review, October 2005
- Scientific Organizing Committee, CfA Workshop on Galaxies Viewed with Chandra, July 2004
- Chandra Cycle 6 Peer Review, June 2004
- Hubble Space Cycle 12 Telescope Allocation Committee, March 2003
- Co-Chair, Scientific Organizing Committee, KITP workshop, January 2003
- Scientific Organizing Committee, ESO Workshop on Globular Cluster Systems, Sept. 2002
- Hubble Space Cycle 11 Telescope Time Allocation Committee, 2001
- NASA LTSA/ADP Review Panel, 2001
- NOAO Telescope Allocation Committee, 2000 - 2002

TEACHING

COURSES TAUGHT AT MICHIGAN STATE UNIVERISTY:

Spring 2016 - ISP 205L (Visions of the Universe Lab), 380 students
Fall 2015 - ISP 205L (Visions of the Universe Lab), 380 students
Spring 2015 - ISP 205L (Visions of the Universe Lab), 460 students
Fall 2014 - ISP 205L (Visions of the Universe Lab), 460 students
Summer 2014 - ISP 205 online, 50 students
Spring 2014 - ISP205L (Visions of the Universe Lab), 500 students
Fall 2013 - ISP205L (Visions of the Universe Lab), 450 students
Summer 2013 - ISP 205 online, 50 students
Spring 2013 - ISP205L (Visions of the Universe Lab), 500 students
Fall 2012 - AST 825 (Galactic Astronomy), 5 students
Spring 2012 - ISP205L (Visions of the Universe Lab), 500 students
Fall 2011 - ISP205L (Visions of the Universe Lab), 500 students
Spring 2011 - ISP 205 (Visions of the Universe), 250 students
Fall 2010 - AST 825 (Galactic Astronomy), 5 students
Spring 2010 - AST912 (Observational Techniques), 4 students
Fall 2009 - ISP 205 (Visions of the Universe), 250 students
Spring 2009 - AST 208 (Observational and Planetary Astronomy), 30 students
Fall 2008 - ISP 205 (Visions of the Universe), 250 students
Spring 2008 - AST 912 (Observational Techniques), 8 students
Fall 2007 - ISP 205 (Visions of the Universe), 250 students
Spring 2007 - AST 208 (Observational and Planetary Astronomy), 31 students
Fall 2006 - AST 825 (Galactic Astronomy), 10 students
Spring 2006 - ISP 205 (Visions of the Universe), 250 students
Fall 2005 - ISP 205 (Visions of the Universe), 250 students
Fall 2004 - AST 825 (Galactic Astronomy), 9 students
Fall 2003 - ISP 205 (Visions of the Universe), 250 students
- AST 307 (The Milky Way), 24 students
Spring 2003 - ISP 205 (Visions of the Universe), 250 students
Fall 2002 - AST 830 (Galaxies and Cosmology), 17 students
Spring 2002 - ISP 205 (Visions of the Universe), 250 students

TEACHING, cont.

COURSES TAUGHT AT YALE UNIVERSITY:

Spring 2001 - ASTR 430 (Galaxies), ASTR 706 (Formation and Evolution of Galaxies)

Fall 2000 - ASTR 220 (Intro. to Galaxy and Cosmology), ASTR 710 (Dept. Seminar)

Spring 2000 - ASTR 710 (Departmental Seminar)

Fall 1999 - ASTR 430 (Galaxies)

Spring 1999 - ASTR 500 (Cosmology)

Fall 1998 - ASTR 220 (Intro. to Galaxy and Cosmology)

MENTORING

JUNIOR FACULTY

- Was faculty mentor for Megan Donahue, who is now a full professor and received a University Distinguished Faculty Award in 2014, and for Ed Brown, who was promoted to associate professor in 2010, and full professor in 2015.
- Currently mentor for Jay Strader, who was hired as an assistant professor in 2012, and was awarded a Packard Fellowship in 2015.

RESEARCH ASSOCIATES

- Currently supervising Dr. Mark Peacock. Previously supervised Drs. Gilles Bergond, Maren Hempel, Arunav Kundu, Stephen Shih, Toru Tsuribe, Enrico Vesperini, and Chris Waters.

PHD STUDENTS

- Currently supervising graduate student Kristen Dage. Previously supervised the PhD theses of Katherine Rhode (Yale, 2003), Chris Waters (MSU, 2007), and Matthew Steele (MSU, 2012). Dr. Rhode is an associate professor in astronomy at Indiana University, Dr. Waters is an astronomer with the Pan-Starrs project at the University of Hawaii, and Dr. Steele is a postdoctoral researcher in science education at MSU.

- Currently serving on the PhD thesis committee of Tom Connor. Previously served on PhD thesis committees of Matt Steele (chair), Chris Waters (chair), Seth Bruch, Nathan De Lee, Neelam Dhanda, Alex Diebel, Eric Gingrich, Aaron Hoffer, Thomas Hettinger, Charles Kuehn, Yong-Sun Lee, Brian Marsteller, Murari Regmi, Jason Smolinski, and David Ventimiglia.

- External Reader for Harvard PhD thesis of Pauline Barnby, 2001

MASTER'S STUDENTS

- Supervised the Master's level theses of Q.C. Zhang, J.H. Woo, and Katherine Rhode at Yale and Jennifer Westbrook, Chris Waters, and Tom Finzell at MSU.

UNDERGRADUATES

- Supervised undergraduate research of Nathan Sanders (2008-2010) who was awarded a Goldwater Scholarship and a NSF Graduate Fellowship. Currently supervising the senior thesis of Tess O’Neal, and previously supervised the theses of Colin Paulbeck (2012-2013), Joseph Stoiko (2009-2010), Nathan Sanders (2009-2010), Bill Martinez (2007-2008), Julian von Eye (2007-2008), Ryan Thomas (2006-2007), Nathan Krzyaniak (2005-2006) Elizabeth Blanchfield (2005), Stephanie Simpson (2004-2005), Matthew Ingber (2003-2004), Josh Hubbell (2003), Andrew Hungerford (2001-2002), and Mary-Katherine McGovern (1999-2000).

- Supervised MSU REU students Andrew Esselman 2006, Nikolette Lustic 2004, and Jessica Uscinski 2002

HIGH SCHOOL STUDENTS

- Supervised Julia Chael in the summer 2015 High School Honors Science Program (HSHSP). She submitted her work from the summer to the Siemens Competition and was selected as a Semifinalist. Also supervised Kelly Kilts in the 2002 HSHSP program.

PUBLIC OUTREACH AND POPULAR PUBLICATIONS

- Interview for NHK (Japanese public television) program on globular cluster formation, February 2016
- Public talk at Abrams Planetarium, October 2015
- Presentation on SOAR Telescope at MSU Science Festival, April 2015
- Public talk at Abrams Planetarium, November 2014
- Presentations to MSU Distinguished Scholarship Candidates, February 2013 and 2012
- Presentation to Owasso school group, October 2010
- MSU astronomy Science University presentation, April 2010
- Public talk at Abrams Planetarium, March 2010
- BBC, UPI, and other press coverage of 2008 ApJL paper on black holes in globular clusters.
- Public talk at Abrams Planetarium, March 2008.
- MSU Society for Physics Students Speaker, February 2008
- Presentation to Okemos High School students, December 2007
- Public talk at Abrams Planetarium, February 2007.
- Extensive press coverage of Nature paper published in Jan 2007.
- Public talk at Kalamazoo Math and Science Center, May 2006.
- Public talk at Abrams Planetarium, February 2006.
- Radio interview on Voice of America, April 25, 2005.

- Public talk at Abrams Planetarium, February 2005.
- Public Talk in the Cosmic Horizons Series at Abrams Planetarium, January 2004.
- Article written by invitation for *Scientific American*, published in October 2003 issue.
- Presentation on SOAR Telescope to Okemos High School Class, November 2003.
- Quoted in Sciencenow commenting on a recent ApJL paper, Jan. 15, 2003.
- Research work highlighted in two news articles in Science, January 3, 2003, vol. 299.
- CNN, Reuters, and others from a Nature paper on the Brightness of Cepheid Variables and the Rate of Expansion of the Universe, Sept. 21, 1999.
- New York Times National Edition and others, Stellar Populations and Dark Matter in the Halos of Spiral Galaxies, Jan. 7, 1999

INVITED TALKS, COLLOQUIA, and SEMINARS

January 2015, Aspen Meeting, “Black Holes in Dense Star Clusters,” invited review
March 2013, HEAD Meeting, Chair of Special Session, “Black Holes in Globular Clusters”
January 2012, AAS Meeting, Austin, NASA ADAP session, invited talk
June 2011, Aspen Summer Program “Stellar and Intermediate Mass Black Holes”
January 2011, AAS Meeting, Seattle, NASA ADAP session, invited talk
November 2010, University of Durham, colloquium,
November 2010, Cambridge University, seminar
November 2010, University of Southampton, Astronomy seminar
February 2010, Aspen Winter Conference “Formation and Evolution of Black Holes,”
CA, talk
January 2010, AAS Meeting, Washington DC, contributed talk
December 2009, University of Indiana, colloquium
April 2009, “Intermediate-Mass Black Holes: from First Light to Galactic Nuclei,” Irvine,
CA, talk
March 2009, Kavli Institute for Theoretical Physics, Astrophysics seminar
February 2009, Michigan State University, Astronomy seminar
January 2009, “Formation and Evolution of Globular Clusters,” KITP, Santa Barbara,
session chair and lead discussant
November 2008, Albion College, Physics and Astronomy Dept. Seminar
September 2008, George Washington University, Astronomy Seminar
June 2008, “Science with GSMT: Public Participation in TMT and GMT,”
science use case talk
March 2008, Ohio-Region American Physical Society Meeting, Youngstown, OH,
plenary talk
January 2008, “Surveys and Simulations of Large-Scale Structure,” Lawrence Berkeley
Laboratory, invited talk
October 2007, Waterloo University, seminar
September 2007, Dynamical Evolution of Dense Stellar Systems, IAU Symposium 246,
Capri, Italy, invited talk
August 2007, The Globular Clusters - Dwarf Galaxies Connection, Ann Arbor, MI,
invited talk
May 2007, Northwestern University, Astrophysics seminar

INVITED TALKS, cont.

January 2007, Chair, Special Session, 209th AAS meeting.
March 2006, “Globular Clusters: Guides to Galaxies”, Concepcion Chile, invited talk
March 2006, Space Telescope Science Institute, colloquium
November 2005, Durham University, colloquium
November 2005, University of Southampton, seminar
November 2005, Oxford University, seminar
August 2005, MODEST-6 meeting, Northwestern University
May 2005, KIPAC Stanford/SLAC, lunch talk
November 2004, Ohio University, seminar
October 2004, Columbia University, colloquium
July 2004, Galaxies Viewed with Chandra, daily review and summary
May 2004, LBL, Wide-Field Imaging from Space, contributed talk
March 2004, Wesleyan University, colloquium
February 2004, Penn State University, colloquium
November 2003, Michigan State University, colloquium
October 2003, University of Missouri, Kansas City, colloquium
July 2003, IAU General Assembly, JD 11, invited talk
May 2003, Great Lakes Cosmology Workshop, invited talk
January 2003, Session Chair, Santa Barbara ITP workshop
September 2002, Michigan State University, colloquium
August 2002, ESO Workshop on Extragalactic Cluster Systems, invited review
March 2002, Case Western University, colloquium
November 2001, Ringberg Meeting on Elliptical Galaxies, invited talk
May 2001, Yale Workshop of Galaxy Halos, invited review talk
April 2001, University of Washington, seminar
March 2001, IAU Symposium 207, Pucon, Chile, invited review talk
February 2001, Michigan State University, seminar
January 2001, Aspen Winter Astrophysics Conference
August 2000, IPAC/SIRTF Science Center
May 2000, Harvard-Smithsonian Center for Astrophysics
January 2000, Boston University, colloquium

INVITED TALKS, cont. (p. 3)

August 1999, Universidad de Chile, colloquium
February 1999, SUNY Stony Brook, colloquium
May 1999, AAS Special Session, invited review
January 1999, Aspen Winter Conference, invited talk
January 1999, AAS session chair
October 1998, Rutgers University, colloquium
September 1998, University of Wisconsin, colloquium
June 1998, Aspen Summer Workshop, invited talk
February 1998, University of Massachusetts, colloquium
January 1998, Aspen Winter Conference “Universal Star Formation”
October 1997, Columbia University, colloquium
September 1997, Wesleyan University, colloquium
September 1997, Yale University, colloquium
August 1997, IAU Symposium 187, “Galaxy Interactions”
invited review
March 1997, Indiana University, colloquium
February 1997, Space Telescope Science Institute, colloquium
January 1997, Aspen Winter Conference, “Observational Tests of Cosmological Parameters”
December 1996, IfA, University of Hawaii, colloquium
November 1996, University of California, Berkeley, colloquium
November 1996, IGPP, Lawrence Livermore Laboratory, colloquium
October 1996, Yale University, colloquium
August 1996, Second Stromlo Symposium, “The Nature of Elliptical Galaxies”,
contributed talk
June 1996, Aspen Summer Astrophysics Workshop, “Galaxy Interactions at Low and High Z”, talks in workshop format
March 1996, Center for Particle Astrophysics, UCB, colloquium
March 1996, Berkeley-Strasbourg Workshop on “The Role of Baryons in Cosmology”,
session chair
February 1996, University of Pittsburgh, colloquium
November 1995, University of California, Santa Cruz, colloquium

INVITED TALKS, cont. (p. 4)

September 1995, IoA, Cambridge University, colloquium
September 1995, SantAgata, Italy, Conference on “Interacting Galaxies”,
invited review
April 1995, University of California, Los Angeles, colloquium
March 1995, Mt. Stromlo Observatory, colloquium
February 1995, University of Virginia, colloquium
February 1995, Stanford University, colloquium
October 1994, IGPP, Lawrence Livermore Laboratory, seminar
July 1994, IoA/RGO Conference on “Wide Field Spectroscopy and the Distant Universe”,
contributed talk
June 1994, UC Berkeley/CfPA Miniworkshop on Galaxy Evolution, invited talk
April 1994, University of California, Santa Cruz, colloquium
March 1994, Cerro Tololo Inter-American Observatory, seminar
February 1994, University of California, Berkeley, colloquium
October 1993, La Palma Observatory, seminar
October 1993, University of Durham, colloquium
September 1993, Center for Particle Astrophysics, UCB, seminar
June 1993, Kapteyn Institute, University of Groningen, colloquium
May 1993, Institut d’Astrophysique, Paris, colloquium
May 1993, Observatoire de Meudon, colloquium

PUBLICATIONS

Books

Ashman, K.M., and Zepf, S.E. “Globular Cluster Systems,” 1998, Cambridge University Press.

Major Reviews

Zepf, S.E., Maccarone, T.J., & Kundu, A. “Black Holes in Globular Clusters,” 2014, Physics Reports, in preparation.

Refereed Articles

1. Zepf, S.E., and Koo, D.C. “Close Pairs of Galaxies in Deep Sky Surveys,” 1989, ApJ, 337, 34.
2. Zepf, S.E., Whitmore, B.C., and Levison, H.F. “Optical Colors of Early-Type Galaxies in Compact Groups,” 1991, ApJ, 383, 524.
3. Zepf, S.E., and Whitmore, B.C. “Modelling the Evolution of Galaxies in Compact Groups,” 1991, ApJ, 383, 542.
4. Ashman, K.M., and Zepf, S.E. “The Formation of Globular Clusters in Merging and Interacting Galaxies,” 1992, ApJ, 384, 50.
5. Zepf, S.E. “The Frequency of Mergers in Compact Groups,” 1993, ApJ, 407, 448.
6. Zepf, S.E., and Whitmore, B.C. “The Structure and Dynamics of Elliptical Galaxies in Compact Groups,” 1993, ApJ, 418, 72.
7. Zepf, S.E., and Ashman, K.M. “Globular Cluster Systems Formed in Galaxy Mergers,” 1993, MNRAS, 264, 611.
8. Ribeiro, A.L., de Carvalho, R.R., and Zepf, S.E. “The Luminosity Function of Galaxies in Compact Groups,” 1994, MNRAS, 267, L13.
9. Cole, S., Aragón-Salamanca, A., Frenk, C.S., Navarro, J.F., and Zepf, S.E. “A Recipe for Galaxy Formation,” 1994, MNRAS, 271, 781
10. de Carvalho, R.R., Ribeiro, A.L., and Zepf, S.E. “Structural Properties of Compact Groups,” 1994, ApJS, 93, 47.
11. Ashman, K.M., Bird, C.M., and Zepf, S.E. “Detecting Bimodality in Astronomical Datasets,” 1994, AJ, 108, 2348.
12. Zepf, S.E., Geisler, D., and Ashman, K.M. “The Richness of Globular Cluster System of NGC 3923: Clues to Elliptical Galaxy Formation,” 1994, ApJL, 435, L117.

PUBLICATIONS (p. 2)

13. Ashman, K.M., Conti, A., & Zepf, S.E. “Globular Cluster Systems as Distance Indicators: Metallicity Effects on the Luminosity Function,” 1995, *AJ*, 110, 1164
14. Zepf, S.E., Carter, D., Sharples, R.M., & Ashman, K.M., “Spectroscopy of Young Globular Clusters in NGC 1275,” 1995, *ApJL*, 445, L19.
15. Zepf, S.E., Ashman, K.M., and Geisler, D. “Constraints on the Formation History of the Elliptical Galaxy NGC 3923 from the Colors of Its Globular Clusters,” 1995, *ApJ*, 443, 570.
16. Ribeiro, A.L.B., de Carvalho, R.R., Coziol, R., Capelato, H.V., & Zepf, S.E. “HCG 16: A High Concentration of Active Galaxies in the Nearby Universe,” 1996, *ApJL*, 463, L5.
17. Zepf, S.E., & Silk, J. “On the Effects of Bursts of Massive Star Formation During the Evolution of Elliptical Galaxies,” 1996, *ApJ*, 466, 114.
18. Bridges, T.J., Ashman, K.M., Zepf, S.E., Carter, D.C., Hanes, D.A., Sharples, R.M., & Kavelaars, J.J. “Kinematics and Metallicities of Globular Clusters in M104,” 1997, *MNRAS*, 284, 376.
19. Zepf, S.E., de Carvalho, R.R., & Ribeiro, A.L.B. “The Faint End of the Luminosity Function of Galaxies in Hickson Groups,” 1997, *ApJL*, 488, L11.
20. Zepf, S.E., Moustakas, L.A., & Davis, M. “Keck Spectroscopy of Objects with Lens-like Morphologies in the Hubble Deep Field,” 1997, *ApJL*, 474, L1.
21. de Carvalho, R.R., Ribeiro, A.L.B., Capelato, H.V., & Zepf, S.E. “A Redshift Survey of Faint Galaxies around a Selected Sample of Compact Groups,” 1997, *ApJS*, 110, 1.
22. Zepf, S.E. “The Absence of Passively Evolving Ellipticals in Deep Optical and Near-Infrared Surveys,” 1997, *Nature*, 390, 377.
23. Ribeiro, A.L.B., de Carvalho, R.R., Capelato, H.V., & Zepf, S.E. “Structural and Dynamical Analysis of the Hickson Compact Groups,” 1998, *ApJ*, 497, 72.
24. Sharples, R.M., Zepf, S.E., Bridges, T.J., Hanes, D.A., Carter, D., Ashman, K.M., Geisler, D. “Spectroscopy of Globular Clusters in NGC 4472,” 1998, *AJ*, 115, 2337.
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